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DAVIS & BUJOLD, PLLC

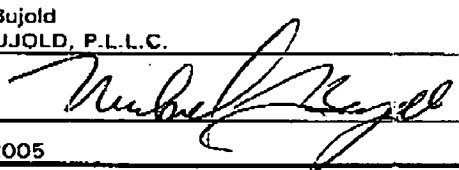
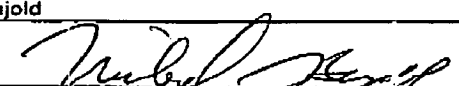
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PTO/SB/21 (12-97)

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	1C/518,822
	Filing Date	with an effective filing date of June 20, 2003
	First Named Inventor	M-tsuru HORIBA et al.
	Group Art Unit	3731
	Examiner Name	Fax: (571) 273-8300
Total No. of Pages in this Submission: 7	Attorney Docket Number	AIACHI P265US
ENCLOSURES <i>(check all that apply)</i>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <i>(in Duplicate)</i> <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Part/s Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment papers <i>(for an Application)</i> <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Petition <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i> <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) <i>(please identify below):</i> Submission of English Translation Int'l Preliminary Examination Rpt
REMARKS		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual Name	Michael J. Bujold DAVIS & BUJOLD, P.L.L.C.	
Signature		
Date	August 8, 2005	
CERTIFICATE OF TRANSMISSION		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO on August 8, 2005		
Type or printed name	Michael J. Bujold	
Signature		
	Date: August 8, 2005	

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8/8/05

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Mitsuru HORIBA, Nobumasa TSUTSUI and
Yasuhiro TSUTSUI
Serial no. : 10/518,822
Filed : with an effective filing date of June 20, 2003
For : CATHETER
Group Art Unit : 3731
Examiner :
Docket : ADACHI P235US

The Commissioner for Patents
U.S. Patent & Trademark Office
P. O. Box 1450
Alexandria, VA 22313-1450


**SUBMISSION OF ENGLISH TRANSLATION OF
INTERNATIONAL PRELIMINARY EXAMINATION REPORT**

Dear Sir:

Enclosed please find an English translation of the International Preliminary Examination Report concerning the above-identified application. Please enter the same into the record of this case.

In the event that there are any fee deficiencies or additional fees are payable, please charge the same or credit any overpayment to our Deposit Account (Account No. 04-0213).

Respectfully submitted,



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PATENT COOPERATION TREATY

PCT/JP2003/00789

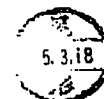
From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 72.2)

To:

ADACHI, Tsutomu
Nagoyaseni Bldg. 7F
9-27, Nishiki 2-chome, Naka-ku
Nagoya-shi, Aichi 460-0003
JAPAN



Date of mailing (day/month/year) 10 March 2005 (10.03.2005)	
Applicant's or agent's file reference TMP-15-PCT	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/007899	International filing date (day/month/year) 20 June 2003 (20.06.2003)
Applicant K.K. VAYU et al	

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

AZ, CA, CH, CN, CO, EP, GH, KG, KP, KR, MK, MZ, RO, RU, TM

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, BA, BB, BG, BR, BY, BZ, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, ES, FI, GB, GD, GE, GM, HR, HU, ID, IL, IN, IS, KE, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MN, MW, MX, NO, NZ, OA, OM, PH, PL, PT, SC, SD, SE, SG, SK, SL, TJ, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Masashi Honda
Facsimile No. +41 22 740 14 35	Facsimile No. +41 22 338 70 10

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PCT/JP2003/007899



Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference TMP-15-PCT	FOR FURTHER ACTION See: Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP2003/007899	International filing date (day/month/year) 20 June 2003 (20.06.2003)	Priority date (day/month/year) 21 June 2002 (21.06.2002)
International Patent Classification (IPC) or national classification and IPC A61B 17/28		
Applicant K.K. VAYU		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>3</u> sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 25 December 2003 (25.12.2003)	Date of completion of this report 17 September 2004 (17.09.2004)
Name and mailing address of the IPEA/JP	Authorizing officer
Facsimile No.	Telephone No.

Form PCT/IPEA/409 (cover sheet) (July 1998)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/007899

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
 pages _____ 1, 2, 4-16 _____, as originally filed
 pages _____, filed with the demand
 pages _____ 3 _____, filed with the letter of _____ 21 June 2004 (21.06.2004)
- ☒ the claims:
 pages _____ 2-5 _____, as originally filed
 pages _____, as amended (together with any statement under Article 19
 pages _____, filed with the demand
 pages _____ 1 _____, filed with the letter of _____ 21 June 2004 (21.06.2004)
- ☒ the drawings:
 pages _____ 1A-3B _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
 pages _____, as originally filed
 pages _____, filed with the demand
 pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
 These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.
PCT/JP 03/07899

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	1-5	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1-5	NO
Industrial applicability (IA)	Claims	1-5	YES
	Claims		NO

2. Citations and explanations

Document 1: JP 05-184535 A (Olympus Optical Co., Ltd.), 27 July 1993, entire text; all drawings

Document 2: JP 08-38494 A (Asahi Optical Co., Ltd.), 13 February 1996, entire text; all drawings

Document 3: WO 94/26189 A1 (Boston Scientific Corporation), 24 November 1994, entire text; all drawings

The invention set forth in claims 1 to 3 and 5 does not involve an inventive step in the light of documents 1 and 2. It would be easy for a person skilled in the art to apply the feature described in document 2, which belongs to the same technical field as document 1, wherein a link mechanism which opens and closes the clamp mechanism and a means of orienting the holding portion in a closing direction, are provided, to the catheter set forth in document 1, wherein it is possible to independently operate the clamp mechanism and the injection needle.

The invention set forth in claim 4 does not involve an inventive step in the light of documents 1, 2 and 3. It would be easy for a person skilled in the art to employ the feature described in document 3, which belongs to the same technical field as document 1, wherein a means of

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/07899

orienting an injection needle is provided, to the catheter
set forth in document 1..